

Storm Data and Unusual Weather Phenomena

August 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>NEW MEXICO Southeast</u>									
Lea County 1 E Eunice	01	2205MST			0	0	0	0	Thunderstorm Wind (G62)
									Large trees were blown down just east of Eunice by severe thunderstorm winds.
Lea County Eunice	01	2210MST 2245MST			0	0	125K	0	Flash Flood
									The Eunice Fire Dept. reported that flash flooding which resulted in high water entering numerous homes in the city. No injuries were reported.
									Severe thunderstorms which impacted the western Permian Basin in Texas during the evening of the 1st...moved west into Lea County New Mexico. Damaging winds and significant flash flooding resulted.
Lea County 1 E Eunice	02	0000MST			0	0	0	0	Heavy Rain
									A NWS COOP rainfall observer reported a 24 hour rainfall total of 6.00 inches.
Lea County Eunice	02	0650MST 0710MST			0	0	0	0	Urban/Sml Stream Fld
									Minor street flooding was reported by the Eunice PD.
Eddy County 3 SW Carlsbad	02	0717MST 0900MST			0	0	0	0	Flash Flood
									Law officials reported that up to four feet of water was over the Old Caverns Highway at Misty Lane.
NMZ028									Eddy County Plains
	02	0720MST 1430MST			0	0	0	0	Flood
									Local officials reported that at least a foot of water covered Hildalgo Street near Dark Canyon just off of Highway 180 throughout a large part of the daylight hours.
Lea County Lovington	02	0730MST 0800MST			0	0	0	0	Flash Flood
									Law officials reported flash flooding of low lying areas in the city of Lovington.
Eddy County Carlsbad	02	0815MST 0915MST			0	0	0	0	Flash Flood
									Officials reported that high water was running in numerous low water crossings in and around the city of Carlsbad.
Eddy County 3 SE Carlsbad	02	1430MST 1500MST			0	0	0	0	Flash Flood
									Law officials reported that Black River had flooded over Higby Hole Road, near the intersection of State Route 134 and Highway 285.
									Heavy rains continued from the overnight/early morning hours until midday. Very heavy amounts of rainfall were observed by both COOP observers and indicated by 88D precipitation products. A swath of ten to twelve inch rainfall totals was observed across Lea County. Flash Flooding was a concern through most of the day. The hardest hit areas were those in and around the city of Carlsbad.
Eddy County 4 S Artesia	10	1155MST 1300MST			0	0	0	0	Urban/Sml Stream Fld
									High water up to three feet in depth was running in a low water crossing on Halderman Road near Eagle Draw.
Eddy County 3 N Malaga	20	1550MST			0	0	5K	0	Thunderstorm Wind (G52)
									Law officials reported that high winds from a severe thunderstorm caused blinding dust and downed power lines...creating power outages.
Lea County Tatum	21	1455MST 1515MST			0	0	0	0	Urban/Sml Stream Fld
									Minor street flooding was reported in Tatum along with small hail.

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<u>NEW MEXICO Southeast</u>								
Lea County 2 W Tatum	29	0303MST			0	0	0	Hail(0.88)
An isolated severe thunderstorm developed in the early morning hours of the 29th and exhibited supercellular characteristics. The storm resulted in nickel size hail near Tatum.								
<u>TEXAS West</u>								
Culberson County 12 E Van Horn	01	1745CST	0.1	25	0	0	0	Tornado (F0)
A DPS trooper traveling on Interstate 10 reported a "long and skinny" tornado east of Van Horn. Radar indicated a strong thunderstorm in the area with cloud tops to 50,000 feet.								
Culberson County 10 E Van Horn to 15 E Van Horn	01	1945CST 2025CST			0	0	0	Urban/Sml Stream Fld
Law officials reported flooding of low lying areas along Interstate 10 east of Van Horn.								
Midland County Midland	01	1945CST 2000CST			0	0	150K	Thunderstorm Wind (G65)
A damaging microburst occurred in the northern portions of the city of Midland. High winds up to 70 MPH resulted in numerous large trees being blown down....damage to fences...and business signs. The most significant damage was centered on the intersection of Loop 250 and Garfield Street...however...windows were broken by the high winds as far west as Midkiff Street. Power lines were also blown down....resulting in power outages. One power line landed on a vehicle. No injuries were reported.								
Ector County Gardendale	01	2000CST 2010CST			0	0	15K	Thunderstorm Wind (G61)
A second strong microburst developed near the Ector and Midland County line...just northwest of the Midland International Airport...just before 900 PM CDT. As a result...high winds broke windows and blew down trees in the city of Gardendale.								
Andrews County Andrews	01	2025CST 2035CST			0	0	50K	Thunderstorm Wind (G61)
Winds up to 70 MPH from severe thunderstorms resulted in damage throughout parts of the city of Andrews. The most significant damage occurred at the First Baptist Church...where a portion of the roof was blown off. The same church lost its roof during severe thunderstorms in July. In addition...several large trees were blown down throughout the city.								
Midland County Midland	01	2045CST 2155CST			0	0	20K	Flash Flood
Several cars were reported to have been stalled by high water on Midkiff and Garfield Streets...just south of Loop 250 in Midland. Flash flooding resulted from very high rainfall rates associated with the microburst in the northern parts of the city. No injuries were Reported, however, water was reported to be as high as the windshields on a few cars.								
Midland County Midland	01	2045CST			0	0	100K	Lightning
Lightning struck building 11 at the Polo Park Apartment complex in north Midland. The building was fully engulfed in flames within thirty minutes. All residents were evacuated and no injuries were reported.								
Gaines County Seminole	01	2240CST 2330CST			0	0	0	Flash Flood
Four lanes of Highway 180 were covered by high water on the southeast side of the city of Seminole.								
Andrews County 9 NE Andrews	01	2255CST 2325CST			0	0	0	Flash Flood
The intersection of Farm to Market 1788 and Highway 115 was covered by high water.								
An active severe weather episode unfolded across the central and western Permian Basin...and southeast New Mexico during the evening of the 1st. Several damaging microbursts affected the area. Flash flooding along with intense and damaging lightning accompanied the storms. Total losses in the Permian Basin likely exceeded \$300,000.								

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Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property	Crops	Character of Storm
<u>TEXAS West</u>									
Reeves County Pecos	02	0730CST 0746CST			0	0	0	0	Flash Flood
		Heavy overnight rainfall resulted in flash flooding in parts of the Reeves County. The DPS reported up to 8 inches of water covering numerous intersections in the city of Pecos.							
Jeff Davis County 9 NW Ft Davis	13	1400CST			0	0	0	0	Hail(0.75)
		Dime size hail was reported at the McDonald Observatory along with a peak wind gust of 56 MPH.							
Jeff Davis County 8 SSW Ft Davis	13	1420CST			0	0	0	0	Hail(0.75)
		A DPS officer reported dime size hail on Highway 17.							
Pecos County Coyanosa	13	1617CST 1622CST			0	0	0	0	Hail(1.25)
Ward County 12 S Monahans	13	1645CST			0	0	0	0	Hail(1.75)
		Reported by a spotter at the intersection of Farm to Markets 1219 and 1776.							
Howard County Forsan	13	1655CST 1718CST			0	0	0	0	Hail(1.25)
		The NWS COOP observer in Forsan reported nickel to half dollar size hail.							
Ward County Monahans	13	1700CST 1730CST			0	0	25K	0	Hail(1.75)
		Numerous reports of large hail up to the size of golfballs were received from Monahans. Local newspaper reports indicated that several roofs and vehicles received damage due to the hail.							
Ward County Monahans	13	1735CST			0	0	10K	0	Lightning
		The local newspaper reported that lightning resulted in a minor house fire. Damage was restricted to the kitchen of the home. No injuries were reported.							
Glasscock County 13 N Garden City	13	1810CST 1824CST			0	0	0	0	Thunderstorm Wind (G52)
Mitchell County Loraine	13	1815CST			0	0	0	0	Hail(0.75)
Ector County Penwell	13	1819CST 1825CST			0	0	0	0	Hail(0.88)
Midland County Midland	13	1822CST			0	0	0	0	Hail(0.75)
		An off duty NWS meteorologist reported dime size hail at Loop 250 and County Road 1140. This was the first of numerous reports of large hail in and near the city of Midland from a thunderstorm which rapidly became severe as it moved south out of southern Martin County.							
Glasscock County 13 N Garden City to 8 N Garden City	13	1824CST 1831CST			0	0	0	0	Hail(1.00)
		A trained spotter reported quarter size hail and 60 MPH thunderstorm winds on Highway 33.							
Ector County 12 SSE Odessa	13	1845CST 1846CST			0	0	0	0	Thunderstorm Wind (G52)
Midland County 24 SW Midland	13	1846CST			0	0	5K	0	Thunderstorm Wind (G61)
		The public and the local broadcast media reported 60 to 70 MPH winds in the far southwest comer of Midland County. These winds resulted from the outflow of the Ector County storm. Numerous road signs were blown down along Farm to Market 1787.							
Midland County 4 NE Midland	13	1850CST			0	0	0	0	Hail(1.50)
		Large hail was reported by an off duty NWS meteorologist along Interstate 20.							

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TEXAS West									
Midland County									
Midland	13	1851CST 1910CST			0	0	10K	0	Hail(1.75)
Numerous reports of severe hail in the city of Midland were received. The largest hail observed was the size of golfballs. No significant damage was reported.									
Glasscock County 3 N Garden City	13	1901CST 1909CST			0	0	0	20K	Hail(2.75)
Glasscock County 3 N Garden City to Garden City	13	1901CST 1905CST			0	0	10K	0	Thunderstorm Wind (G61)
A trained spotter reported hail up to the size of baseballs with damaging winds blowing down trees and power lines.									
Mitchell County 15 SSE Colorado City	13	1913CST	0.1	50	0	0	0	0	Tornado (F0)
A commercial airline pilot reported a brief tornado in southeast Mitchell County. Radar representation of the storm indicated the tornado was likely near Highway 208 about 15 miles SSE of Colorado City. No damage was reported by the local authorities.									
Howard County Coahoma	13	1945CST 1950CST			0	0	0	0	Hail(0.88)
Midland County 4 NE Midland	13	1945CST			0	0	0	0	Hail(0.75)
A second severe thunderstorm developed on the east side of the city. This thunderstorm resulted in dime size hail.									
Reagan County 13 N Stiles	13	1947CST			0	0	0	0	Thunderstorm Wind (G53)M
Severe wind gusts were measured by a trained spotter along Highway 349.									
Glasscock County St Lawrence	13	2005CST 2020CST			0	0	0	0	Flash Flood
Flash flooding resulted in water up to two feet high over Farm to Market 2401.									
Upton County 11 N Rankin	13	2005CST			0	0	0	0	Thunderstorm Wind (G52)
Midland County 21 SE Midland	13	2010CST 2020CST			0	0	0	0	Flash Flood
Flash flooding resulted in water up to two feet deep over Farm to Market 1379 just east of the intersection with Highway 349.									
The afternoon and evening of the 13th brought an active severe weather episode to West Texas. A cold front was slowly progressing across the southern plains...stretching from southwest Oklahoma into southeast New Mexico by late afternoon. A surface trough of low pressure was located south of the front across the Trans Pecos Region. Numerous severe thunderstorms developed across the area, a few of which took on supercellular characteristics. These storms resulted in hail to the size of baseballs and one tornado. Despite the amount of severe weather which took place across the area on the 13th, reports of damage were very limited.									
Brewster County Alpine	20	1800CST 1845CST			0	0	30K	0	Flash Flood
Brewster County Alpine	20	1800CST			0	0	5K	0	Thunderstorm Wind (G61)
Reeves County 10 S Orla	20	1931CST 2030CST			0	0	0	0	Flash Flood
A trained spotter reported flash flooding. This flooding resulted in up to six inches of water covering the road near the intersection of U.S. Highway 285 and County Road 436.									
High winds and very heavy rainfall accompanied several thunderstorms across southwest Texas on the 20th. The most significant event was a microburst which affected the city of Alpine. Winds to 70 MPH downed a 130 foot tall light standard at the football stadium. Flash flooding resulting from the downburst flooded several homes and businesses on the north side of town, including the									

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<u>TEXAS West</u>										
Dawson County Welch	U.S. Border Patrol office. An NWS COOP rainfall observer reported four to four and a half inches of rain with the event.									
	21	1500CST 1520CST				0	0	50K	0	Thunderstorm Wind (G70)
	An intense microburst with winds of 80 MPH affected the town of Welch resulting in damage. Farm, equipment was destroyed. Lights at the football stadium were also blown down. There were no reports of significant structural damage or injuries, however, minor roof damage occurred.									
Dawson County Welch	21	1515CST 1530CST				0	0	10K	0	Flash Flood
	Intense downpours resulting from the microburst caused flash flooding in Welch. At least one car was stranded in the flood waters with water up to the windows. No injuries were reported.									
	Jeff Davis County 26 NNW Ft Davis	21	1600CST 1800CST				0	0	0	0
The Texas DOT reported flash flooding resulting in two feet of water over Farm to Market 1832.										
Gaines County 20 E Seminole		21	1635CST 1730CST				0	0	0	0
	Minor flooding of rural roads was reported.									
	Andrews County Florey	21	1830CST				0	0	0	0
A large tree was blown over by 60 MPH severe thunderstorm winds.										
Howard County Big Spring		21	2036CST 2130CST				0	0	0	0
	Numerous reports of street flooding were received from the city of Big Spring proper. Several roads had to be closed due to flash flooding.									
	Howard County Big Spring	21	2245CST 2315CST				0	0	0	0
Wild Horse Creek flooded resulting in a foot of running water over Highway 350 near the northeast side of Big Spring.										
Thunderstorms across the Permian Basin resulted in microbursts and flash flooding. The most significant events occurred at Welch in Dawson County, and in and around the city of Big Spring in Howard County.										
Jeff Davis County 9 NW Ft Davis	22	1205CST				0	0	0	0	Thunderstorm Wind (G52)M
	A thunderstorm produced a severe wind gust at the McDonald Observatory.									